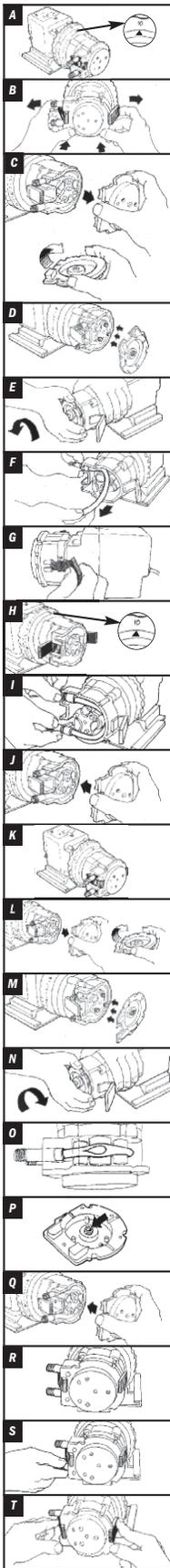


# QuickPro™ PUMP HEAD SERVICE KIT

## Classic Series Single Head Adjustable & Fixed Output Pumps

**NOTICE:** Before installing or servicing the pump, read the pump manual for all safety information and complete instructions. The pump is designed for installation and service by properly trained personnel.



### I 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 and discharge lines to remove chemical and avoid contact.

### II REMOVE THE PUMP TUBE

- 1 Turn pump off and unplug the power cord. On the adjustable model, ensure that the feed rate control is set to 10. **Figure A**
- 2 Depressurize and disconnect the suction and discharge lines.
- 3 Open the back and front of the latches on both sides of the head. Carefully fold latches back to prevent contact with the cover. **Figure B**  
For CE pump only: Remove the safety screw on cover.
- 4 Remove the tube housing cover and flip to use as a tool in the next step. **Figure C**
- 5 Align the center of the inverted cover with the center of the roller assembly so that the three holes on the face of the cover align with the three knurled lugs on the roller assembly. Position the cover feet near the tube fittings. **Figure D**  
NOTE: The roller assembly needs to be collapsed to remove the tube.
- 6 On the adjustable pump, hold the feed rate control securely. On the fixed output pump hold the pump securely. Use the tube housing cover as a wrench and quickly (snap) rotate the cover counter-clockwise to collapse the roller assembly. The tube will no longer be pressed against the tube housing wall. **Figure E**  
NOTE: Counter-clockwise is viewed from facing the head of the pump.
- 7 Remove and discard the pump tube. **Figure F**
- 8 Remove the roller assembly, and the tube housing. On the adjustable pump also remove the shaft. Set them aside to reinstall later.
- 9 Use a non-citrus all-purpose cleaner to clean chemical residue from the tube housing and cover.
- 10 Check the housing for cracks and replace it if it is cracked.
- 11 Replace latches. **Figure G**
- 12 Reinstall the clean tube housing. On an adjustable pump, also install the shaft into the feed rate control.
- 13 Apply AquaShield™ to the shaft tip.
- 14 Install the new roller assembly.

### III INSTALL THE PUMP TUBE AND EXPAND THE ROLLER ASSEMBLY

**IMPORTANT! DO NOT lubricate pump tube or roller assembly.**

- 1 Ensure the power to the pump is off and the power cord is unplugged. On the adjustable model, ensure that the feed rate control is set to 10. **Figure H**
- 2 Place the new tube in the pump head; use your fingers to center it over the rollers. **Figure I**
- 3 Place the tube housing cover on the tube housing, affix the front latches to the cover lip and then press the latches back to secure. **Figure J**
- 4 With the cover latched, plug the pump in and turn the power on. Allow the pump to run the roller assembly in its collapsed position for approximately one minute to relax the tube. **Figure K**
- 5 Turn the pump off and unplug the power cord.
- 6 Remove the tube housing cover and flip to use as a tool in the next step. **Figure L**
- 7 Align the center of the inverted cover with the center of the roller assembly so that the three holes on the face of the cover align with the three knurled lugs on the roller assembly. Position the cover feet near the bottom. **Figure M**  
NOTE: The roller assembly needs to be expanded so the tube is pressed against the tube housing wall.
- 8 Expand roller assembly.

#### Adjustable Model

- Hold the feed rate control securely, use the cover as a wrench and quickly (snap) rotate the roller assembly clockwise to expand the roller assembly. The tube will be pressed against the tube housing wall. **Figure N & O**  
Proceed to step 9.  
NOTE: Clockwise is viewed from facing the head of the pump.

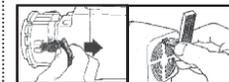
#### Fixed Output Model (manufactured before 04/29/11)

- WARNING** Only the Stenner fan brake tool should be used for this step.
- a. Insert the fan brake tool into the vent in the rear of the motor housing. Refer to the figures below. NOTE: The fixed output pump doesn't have a clutch so the fan brake keeps the shaft from rotating when expanding the roller assembly.
  - b. Holding the pump securely, use the cover as a wrench and quickly (snap) rotate the roller assembly clockwise to expand the roller assembly. The tube will be pressed against the tube housing wall. **Figure N & O**  
NOTE: Clockwise is viewed from facing the head of the pump.
  - c. Remove the fan brake tool. Proceed to step 9.



#### Fixed Output Model (motor vent with key slot, manufactured after 04/29/11)

- a. Slide one latch out to remove it from the tube housing. Insert the latch end into the key slot in the vent in the rear of the motor housing. While pressing the latch into the rear of the motor, gently rotate the cover clockwise until it stops. Refer to the figures below.
- b. Holding the pump securely, use the cover as a wrench and quickly (snap) rotate the roller assembly clockwise to expand the roller assembly. The tube will be pressed against the tube housing wall. **Figure N & O**  
NOTE: Clockwise is viewed from facing the head of the pump.
- c. Remove the latch from the vent and re-attach it to the tube housing. Proceed to step 9.



- 9 Apply a small amount of AquaShield® to the cover bushing ONLY. DO NOT lubricate the pump tube. **Figure P**
- 10 Place the tube housing cover (feet first) on the tube housing, affix the front of the latches to the cover lip and then press the latches back to secure. **Figure Q**

### IV CENTER NEW TUBE

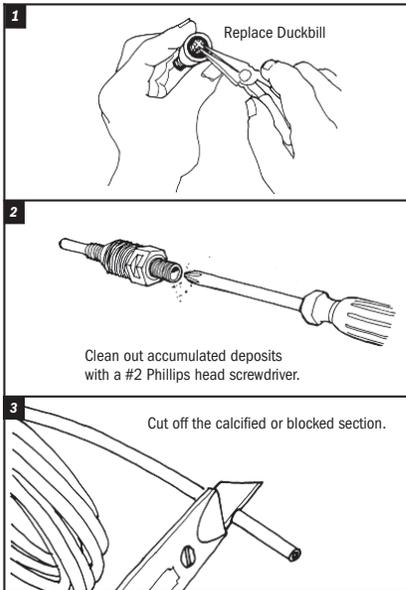
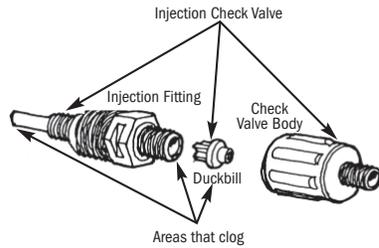
- 1 Ensure the pump is off. Lift the latch located between the tube fittings, leaving the end of the latch engaged with the lip on the tube housing cover. Leave the latch on the opposite side engaged. **Figure R**
- 2 Plug the pump in and turn it on. Turn the tube fitting on the suction side not more than 1/8 of a turn in the direction tube must move. **Figure S**
- 3 DO NOT let go of fitting until tube rides approximately in center of rollers.
- 4 Turn the pump off, let go of the fitting, and secure the latch between the fittings. **Figure T**  
For CE pump only: Reinstall the safety screw on the cover.
- 5 Inspect the suction and discharge lines, point of injection, and check valve duckbill for blockages. Clean and/or replace as required. See instruction on the other side.
- 6 Reconnect the suction and discharge lines using the new ferrules and connecting nuts.
- 7 Turn the pump on and verify operation.

Instructions continue on the back

# QuickPro™ PUMP HEAD SERVICE KIT *continued from the front*

## Classic Series Single Head Adjustable & Fixed Output Pumps

### V CLEANING THE POINT OF INJECTION



**⚠ WARNING HAZARDOUS PRESSURE/CHEMICAL EXPOSURE:**

- ⚠ 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.

**! NOTICE:** 0-25 psi models are installed using an injection fitting and 26-100 psi 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.

- 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 injection check valve or injection fitting to disconnect discharge tubing.

**26-100 psi Model (includes injection check valve)**

- 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 it. **Figure 1**
- 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. **Figure 2**

5 Replace discharge line if cracked or deteriorated. If the end is clogged, cut off the calcified or blocked section of discharge line. **Figure 3**

**0-25 psi Model (includes injection fitting)**

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

**26-100 psi Model (includes injection check valve)**

- Reassemble the injection check valve in reverse order.
- Replace ferrule and reinstall the discharge line to the injection 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.

