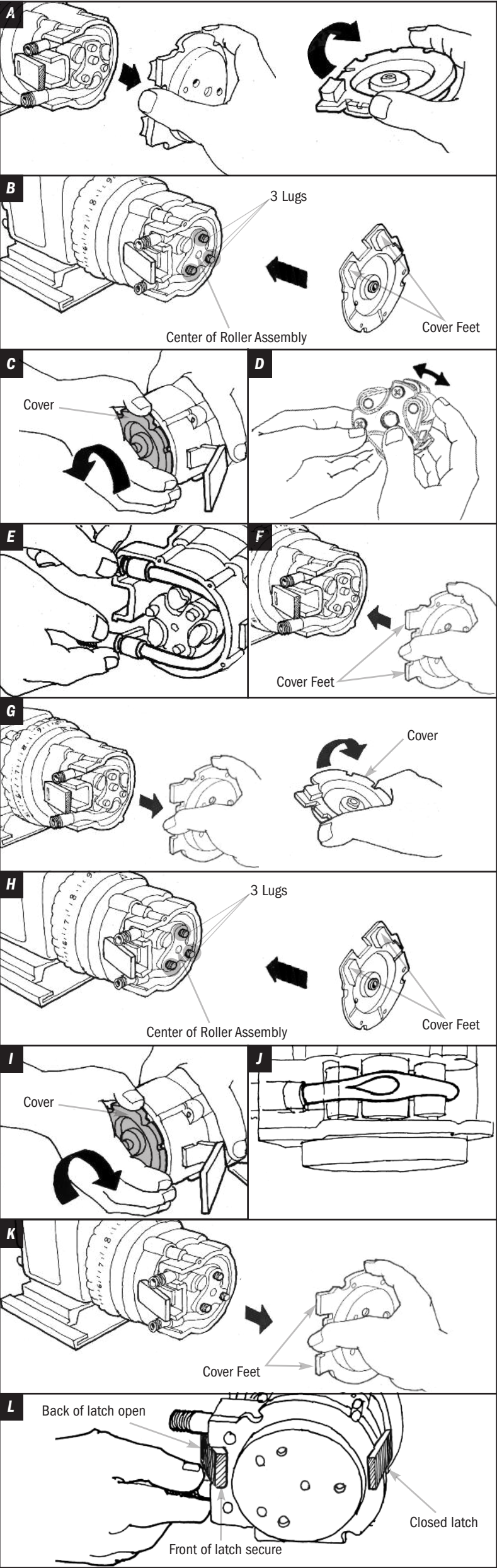


QuickPro® & S3QP Pump Head Classic Series and pumps with S3 prefix DISASSEMBLY, INSPECTION AND REASSEMBLY INSTRUCTIONS

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

The illustrations show the Classic Adjustable model.



Instructions apply to:
Pump Tube Replacement
Pump Head Replacement
Pump Head Service Kit
Please replace any pieces not in working order.

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.

DISASSEMBLY

1. Turn pump off and unplug the power cord. On the Classic Adjustable model, ensure feed rate control is set to 10.
2. Depressurize and disconnect suction and discharge lines.
3. Open latches on both sides of the head. Carefully fold latches back to prevent contact with cover.
For CE pump only: Remove safety screw on cover.
4. Remove tube housing cover and flip to use as a tool in the next step. **A**
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 aligns with the three knurled lugs on the roller assembly. Position the cover feet near the tube fittings at approximately 10 o'clock. **B**
NOTE: The roller assembly needs to be collapsed to remove the tube.
6. On the Classic Adjustable pump, hold the feed rate control securely. On all other pumps, hold the motor 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. **C**
7. Remove and discard the pump tube.
8. Remove the roller assembly. On the Classic Adjustable pump also remove the shaft and set aside to reinstall later.
9. Remove the tube housing.

INSPECTION

1. Use a non-citrus all-purpose cleaner to clean residue from the tube housing, cover and roller assembly.
2. Check the housing for cracks and replace if cracked.
3. Inspect the rollers of the roller assembly to ensure that they turn freely and are not worn. Replace if rollers are seized or worn. **D**

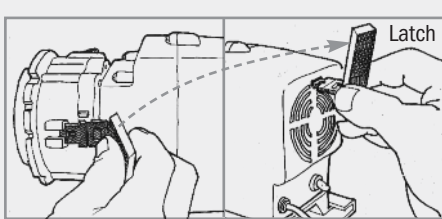
REASSEMBLY

1. Ensure the power to the pump is off and the pump is unplugged. On the Classic Adjustable model, ensure that the feed rate control is set to 10.
2. Install the tube housing. On the Classic Adjustable model also install the shaft into the feed rate control.
3. Apply AquaShield to the shaft tip. **IMPORTANT!** DO NOT lubricate pump tube or roller assembly.
4. Install roller assembly.
5. Install the tube, keeping it centered on the rollers. **E**
6. Place the tube housing cover on the tube housing (feet first), affix the front latches to the cover lip and then press the latches back to secure. Be sure the cover is seated with the sleeve bearing on the shaft and is flush with the housing before latching. **F**
7. With the cover latched, plug the pump in and run the pump. Allow the pump to run with the roller assembly in its collapsed position for approximately **four minutes** to relax the tube.
8. Turn pump off and disconnect the power.
9. Remove the tube housing cover and flip to use as a tool in the next step. **G**
10. 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. **H**

IMPORTANT! Classic Series Fixed Model:

Before expanding roller assembly, do the following steps with the latch.

- a. Slide out one latch from the pump head.
- b. In the rear motor vent, insert the latch end into the key slot.
- c. While pressing the latch into the vent, gently rotate the cover clockwise until it stops.
- d. Go to #11.



11. Expand Roller Assembly.
Hold motor or feed rate control securely, use the cover as a wrench and gently rotate the roller assembly clockwise to expand the roller assembly. You may feel or hear the rollers lock into place. **I** The tube will be pressed against the tube housing wall. **J**
Classic Series Fixed Model: After expanding the roller assembly, remove latch.
12. Apply a small amount of AquaShield to the cover bushing ONLY. DO NOT lubricate the pump tube.
13. 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. Be sure the cover is seated with the sleeve bearing on the shaft and is flush with the housing before latching.

CENTER THE 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 closed.
2. Plug the pump in and run the pump. Turn the tube fitting on the suction side not more than 1/8 of a turn in the direction tube must move.
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.
For CE pump only: Reinstall the safety screw on the cover.
5. Inspect the suction and discharge lines, point of injection, and check valve components for blockages. Clean all deposits and/or replace parts as required. Failure to do so may lead to poor pump performance, including shortened tube life. Reference your pump owner's manual for details.
6. Reconnect the suction and discharge lines. **DO NOT** allow tube fittings to turn inside the pump housing.
7. Turn the pump on and verify operation.

CLEAN 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: Pumps are installed with either a duckbill check valve, ball check valve, or injection fitting depending on pressure rating and model. All 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 any water pump or auxiliary equipment's electrical supply.
2. Depressurize system and bleed pressure from pump discharge line.
3. Loosen and remove the 1/4" nut & ferrule or the 3/8" nut from the check valve or injection fitting to disconnect discharge tubing.

Duckbill or Ball Check Valve, go to #4
Injection Fitting, skip 4 and go to #5

4. Unscrew the top fitting (check valve body) to disassemble. The bottom fitting (injection fitting with arrow) should remain attached to the pipe. Remove duckbill or remove ball check components from check valve body. Inspect and replace parts as needed. If using a ball check valve be careful not to stretch or damage the spring.

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

7. Duckbill or Ball Check Valve

- a. Reassemble the check valve.
- b. Replace ferrule and reinstall the discharge line to the check valve approximately 3/4" until it stops.

Injection Fitting

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

8. Tighten the connecting nut finger tight while firmly holding the tube fitting. The 3/8" nut may be wrench tightened one additional half turn. Firmly hold the adapter or tubing while tightening. If leak occurs, gradually tighten the 3/8" nut as required.
9. Enable the electrical supply to any water pump or auxiliary equipment and pressurize system.
NOTE: The roller assembly must to be expanded so the tube is pressed against the tube housing wall.
10. Put the metering pump back in service and inspect all connections for leaks.