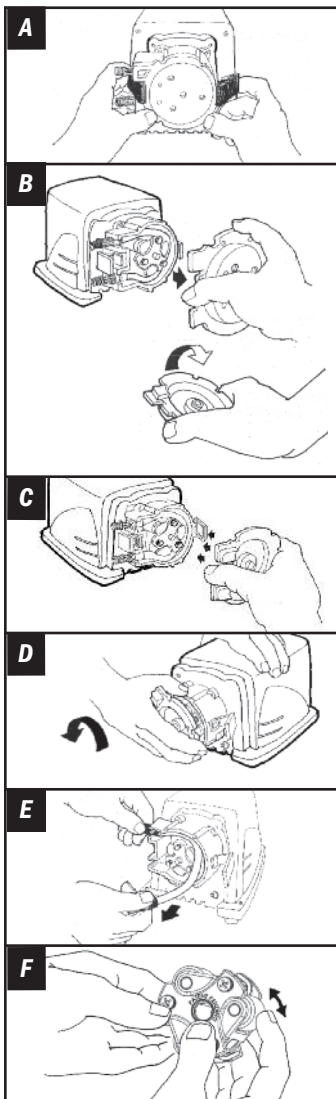


BDF SERIES PUMP TUBE REPLACEMENT



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

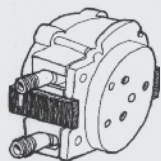
- 1 Follow all safety precautions prior to tube replacement.
- 2 Prior to service, pump water or a compatible buffer solution through the pump and suction and discharge lines to remove chemical and avoid contact.

II REMOVE THE PUMP TUBE

- 1 Turn the pump off and unplug the power cord.
- 2 Depressurize and disconnect the suction and discharge lines.
- 3 Open the back and front of the latches on both sides of the head. **Figure A** Carefully fold latches back to prevent contact with the cover.
- 4 Remove the tube housing cover and flip to use as a tool in the next step. **Figure B**
- 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 C**
NOTE: The roller assembly needs to be collapsed to remove the tube.
- 6 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 D**
NOTE: Counter-clockwise is viewed from facing the head of the pump.
- 7 Remove and discard the pump tube. **Figure E**
- 8 Remove the roller assembly and housing.
- 9 Use a non-citrus all-purpose cleaner to clean chemical residue from the tube housing, roller assembly and cover.
- 10 Check the housing for cracks. Replace if cracked.
- 11 Ensure the rollers turn freely. **Figure F** Replace the roller assembly if the rollers are seized or worn or if there is a reduction or lack of output from the pump.
- 12 Reinstall clean tube housing.
- 13 Apply AquaShield® to the shaft tip.
- 14 Install the roller assembly.

Continued on the back

PUMP HEAD



0-25 psi (0-1.7 bar)

	PART NUMBER	UM
Includes Santoprene® pump tube, ferrules 1/4" select tube # from 1, 2, 3, 4, 5 for __	QP25 __-1	EA
	QP25 __-2	2-PK

26-100 psi (1.8-6.9 bar)

	PART NUMBER	UM
Includes Santoprene® pump tube & duckbill, ferrules 1/4" select tube # from 1, 2, 7 for __	QP10 __-1	EA

PUMP HEAD SERVICE KITS



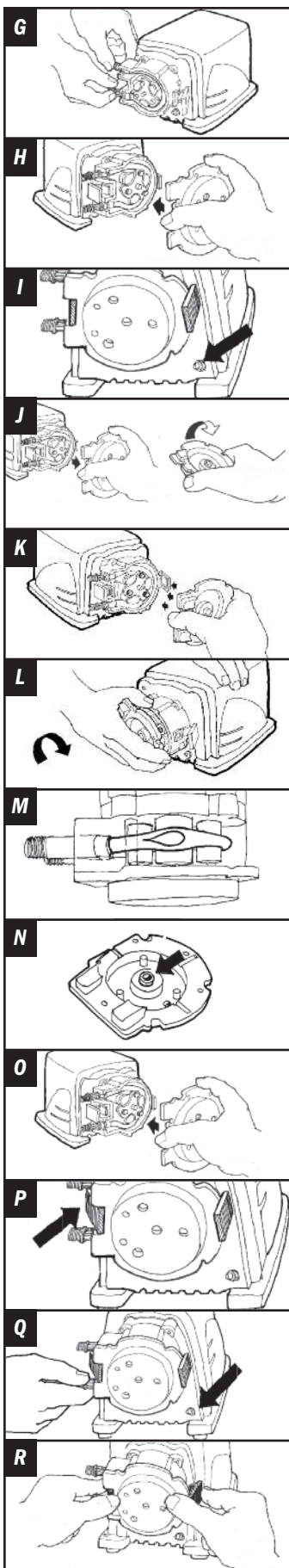
0-25 psi (0-1.7 bar)

	PART NUMBER	UM
Santoprene® Kit includes Santoprene® pump tube select tube # from 1, 2, 3, 4, 5 for __	QP25 __K	KIT



26-100 psi (1.8-6.9 bar)

	PART NUMBER	UM
Santoprene® Kit includes Santoprene® pump tube & duckbill select tube # from 1, 2, 7 for __	QP10 __K	KIT



III INSTALL THE PUMP TUBE AND EXPAND THE ROLLER ASSEMBLY

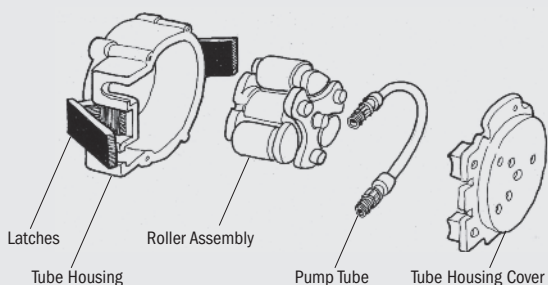
IMPORTANT! DO NOT lubricate pump tube or roller assembly.

- 1 Ensure the power to the pump is off and the power cord is unplugged.
- 2 Place the new tube in the pump head, use your fingers to ensure that it is centered over the rollers. **Figure G**
- 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 H**
- 4 With the cover latched, plug the pump in. Press the prime button to allow the pump to run the roller assembly in its collapsed position for one minute to relax the tube. **Figure I**
- 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 J**
- 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 tube fittings. **Figure K**
NOTE: The roller assembly needs to be expanded so the tube is pressed against the tube housing wall.
- 8 Hold 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.
NOTE: Clockwise is viewed from facing the head of the pump. **Figure L & M**
- 9 Apply a small amount of AquaShield® to the cover bushing ONLY. DO NOT lubricate the pump tube. **Figure N**
- 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 O**

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 P**
- 2 Plug the pump in and turn it on. Press the prime button and turn the tube fitting on the suction side not more than 1/8 of a turn in the direction the tube must move. **Figure Q**
- 3 DO NOT let go of fitting until tube rides approximately in center of rollers.
- 4 Press the prime button (to discontinue pump operation), let go of the fitting, and secure the latch between the fittings. **Figure R**
- 5 Inspect the suction and discharge lines, point of injection, and check valve duckbill for blockages. Clean and/or replace as required.
- 6 Reconnect the suction and discharge lines.
- 7 Turn the pump on and run for one minute to verify operation.

PUMP HEAD EXPLODED VIEW



	PART NUMBER	UM
Tube Housing (includes latches)	QP400-1	EA
	QP400-2	2-PK
Roller Assembly	QP500-1	EA
	QP500-4	4-PK
Roller Arm assembly (includes arms, bushings, rollers, screws)	QP501-3	EA
Tube Housing Cover with bushing	QP100-1	EA
	QP100-4	4-PK
Latches	QP401-2	2-PK

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. IMBDF A Rev0612



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