



SELF PRIMING PUMPS

MODEL:
3/16 RVH
1/2 RVH

PRICE CODE NO.
44-0476
44-0451

Refer to Parts List P-1800

! SAFETY PRECAUTIONS BEFORE STARTING PUMP:

1. Read operating instructions and instructions supplied with chemicals to be used.
2. **Refer to Chemical Resistance Data Chart for compatibility of material in pump with solution to be used.**
3. Note temperature and pressure limitations.
4. **Personnel operating pump should always wear suitable protective clothing: face mask or goggles, apron and gloves.**
5. All piping must be supported and aligned independently of the pump.
6. Always close valves slowly to avoid hydraulic shock.
7. Ensure that all fittings and connections are properly tightened.

! BEFORE CHANGING APPLICATION OR PERFORMING MAINTENANCE:

1. **Wear protective clothing as described in Item 4 above.**
2. Flush pump thoroughly with a neutralizing solution to prevent possible harm to personnel.
3. Verify compatibility of materials as stated in Item 2 above.

PRE START-UP

1. Record Pump Model No. and Serial No. for future reference.
2. Pumps are furnished with vinyl suction and discharge hose unless otherwise specified. Model 3/16 RVH hose fittings are CPVC and pumping tube is vinyl. Model 1/2 RVH hose fittings are PVC and pumping tube is Norprene[®] which has the chemical compatibility of PVC (vinyl) with increased flex life.
3. The only anticipated replacement item is the pumping tube. Before replacement is required, it is recommended to order spare pump tubes.

4. The suction lift, duration and frequency of pumping cycle all influence the operating life of the pumping tube.
5. Average pump tube operating life is 250 to 500 hours, depending upon above mentioned conditions.

START-UP

1. Position starter in 'OFF' or be sure plug is not in socket.
2. Install suction and discharge hoses and tighten all clamps.
3. Place suction hose in solution being pumped. When facing pump, the suction hose is on the left for 1/2 RVH, and on the right for 3/16 RVH.
4. Place discharge hose in transfer reservoir or connect to discharge piping.
5. Moisten inside of pumping tube before start-up to prime and to extend service life of pumping tube.
6. Energize motor.

SERVICE & TROUBLE SHOOTING

1. A reduction in flow rate (as compared to initial flow rate), indicates a relaxed condition of the pumping tube. This condition can be caused by: too long a pumping tube, chemical attack or service aging. If a new tube, it should be shortened. If an old tube, it should be replaced.
2. To Replace Pumping Tube:
Cut replacement tube to required length.
 - A. Model 3/16 RVH-
Pumping tube is 6" long. Disassemble and remove pump cover. Remove used hose from fittings and replace with new. Be sure it is snug and tight.
 - B. Model 1/2 RVH-
Pumping tube is 12" long. Securely clamp tube to one fitting. Place opposite end of hose on other fitting, and while applying tension on hose, securely tighten second clamp.



SERFILCO[®], LTD.

1777 Shermer Road 708-559-1777
Northbrook, IL 60062-5360 800-323-5431
FAX: 708-559-1995

(After January, 1996, Northbrook Area Code will be 847.)

DISTRIBUTED BY

WESTERN

5005 S. Hampton Street 213-588-0801
Los Angeles, CA 90058 FAX: 213-588-6826