INTRODUCTION

Softeners in the Model S Series are designed to produce a large volume of high quality softened water. Each softener has a faucet adapter that easily connects to any faucet. As water passes through the chamber, the resin column causes scale-forming calcium and magnesium ions to be exchanged for non-scale-forming sodium ions. The Model S will soften about 70 gallons of medium hard water, the Model S-6 about 100 gallons, and the Model S-XL about 130 gallons, before the resin requires replacement or regeneration. Inexpensive resin refill packages are available, or the original resin can be regenerated by chemical treatment.

NOTE: These softeners DO NOT yield water suitable for drinking.
1. Attach adapter on inlet hose to faucet. Fully open clamp on inlet hose.

2. SLOWLY turn on faucet and adjust the flow of water into softener until the stream of water is about 1/8 inch in diameter.

3. Fill chamber until a 1" layer of water is visible over the resin.

4. Unclamp outlet hose at bottom of softener.

5. Let effluent run to waste for about 3 minutes to wash out residue from the previous sample.

6. Adjust flow to maintain the 1" layer of water over resin.

7. After enough softened water has been collected, turn off faucet and clamp outlet hose.

8. When softener is disconnected from faucet, clamp inlet hose.

9. If softener is to be stored unused for any length of time, keep a 1" layer of water over resin column to prevent drying and cracking.
1. Prepare salt solution by dissolving about 1/2 pound of salt (sodium chloride) in 1 quart of water.

2. Remove black plug from top of softener.

3. Clamp outlet tube. Add salt solution until softener is completely full.

4. Allow to stand for about 30 minutes.

5. Unclamp outlet tube and allow salt solution to run to waste.

6. Replace black plug in top of softener.

7. Attach adapter to faucet.

8. Wash resin with approximately 1 gallon of tap water.

9. At this point the resin should be completely regenerated.
**PROCEDURE C - REPLACEMENT OF RESIN**

1. Remove black plug from the top of dispenser.

2. Unclamp outlet hose and turn softener upside down.

3. By adding more water to the column and shaking, the remaining resin can be easily removed.

4. With the aid of a funnel, add the fresh resin to the column.

5. Tap water may be added to the resin in the funnel to facilitate filling of the column.

6. Continue adding resin to the column until the resin is about 2" from the top of the column.

7. Allow excess water to drain from outlet hose.

8. Replace the black plug in the top of column.

9. Connect softener to faucet and proceed with Procedure A.