

# Automatic Softener Selection and Setting Guide (12 day)

Persons in the Family	Model Numbers	ADJUSTED HARDNESS - GRAINS PER GALLON																			
		5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
1	24	3/1	3/1	3/1	3/2	3/2	3/2	6/2	6/2	9/2	9/2	9/2	9/2	12/2	12/2	12/2	12/2	12/2	12/2	12/2	15/2
2		3/1	6/1	3/2	6/2	3/4	6/3	6/3	6/4	9/3	9/4	9/4	9/4	12/3	12/3	15/3	15/3	15/3	12/4	12/4	12/4
3		3/1	3/2	6/2	6/3	6/3	6/4	6/6	6/6	9/6	9/6	9/6	9/6	15/4	18/4	18/4	18/4	18/4	12/6	12/6	12/6
4	30	6/1	6/2	6/3	6/4	6/4	6/6	9/6	9/6	9/6	12/6	12/6	12/6	12/6	15/6	15/6	15/6	15/6	18/6	18/6	9/12
5		6/1	6/2	6/3	6/4	6/6	6/6	9/6	12/6	12/6	12/6	12/6	15/6	18/6	9/12	9/12	9/12	9/12	9/12	9/12	9/12
6		6/2	6/3	6/4	6/6	6/6	9/6	12/6	12/6	12/6	15/6	18/6	9/12	9/12	9/12	9/12	9/12	9/12	12/12	12/12	
7		6/2	6/3	6/4	6/6	12/4	9/6	12/6	15/6	18/6	9/12	9/12	9/12	9/12	9/12	9/12	12/12	12/12			
8		6/2	6/3	6/6	12/4	9/6	12/6	15/6	9/12	9/12	9/12	9/12	12/12	12/12	12/12	12/12					
9	10	12/1	12/2	12/3	12/4	9/6	12/6	9/12	9/12	9/12	9/12	12/12	12/12								
10		15/1	15/2	9/4	9/6	12/6	15/6	9/12	9/12	9/12	9/12	12/12									
		45							60												

## IMPORTANT:

### HOW TO USE THIS GUIDE

Determine adjusted hardness by adding 3 times the amount of iron in the water in Parts Per Million (PPM) to the hardness of the water in Grains Per Gallon (GPG). Example: Water contains 19 GPG hardness and 2 PPM iron. Adjusted Hardness equals 25 GPG (19 plus 3 x 2). When using guide round off adjusted hardness to nearest figure on guide (for 23 GPG adjusted hardness use 25). Note: if an oxidizing filter is to be used on system use hardness reading only as adjusted hardness.

Locate the box intersected by ADJUSTED HARDNESS and PERSONS IN FAMILY. Figure in column headed "Model" determines model series and covers all boxes within heavy outline surrounding the model designation. Figures in box indicate SALT dosage setting (lbs) and REGENERATION frequency (per 12 days). Refer to instructions enclosed with unit to make settings. Example: 4 in the family with 25 GPG adjusted hardness. Using the guide, the recommended model: 30 salt dosage setting is 6 (lbs) and regeneration setting is 4 (regenerations per 12 days). Approximate monthly salt usage may be determined by multiplying the two above settings together and multiplying the result by 2.5. In this example, the monthly salt usage approximates 60 lbs. (6 x 4 x 2.5).

### READ IF IRON OR SULFUR IS PRESENT IN WATER

Softeners are designed to remove hardness but can handle reasonable amounts of soluble iron if consideration is given to iron content when selecting model and settings (adjusted hardness). Sulfur (Hydrogen Sulfide), bacterial iron, precipitated iron or very high levels of soluble iron require special equipment in addition to a softener. An oxidizing filter is recommended for use on water containing more than 2 PPM of soluble iron for best results. Always recommend IRON-X MINERAL CLEANER when iron is present to help keep the softener mineral bed clean and free of iron fouling.

NOTE: The guide is based on averages and when properly used will adequately handle most situations. Unusual conditions in a household affecting water usage or other related factors may require special consideration when determining model and settings.

**STERLING**  
WATER TREATMENT