Softener Regeneration Guide

The following will help you in determining how to program a Timeclock softener for regeneration. If you have a Demand system, this chart is not necessary as the control valve decides when to regenerate.

DETERMINE	EXAMPLE	YOUR CALCULATION
Hardness (in gpg) Iron & Manganese (in ppm - combined) Number of persons in the family Capacity of the softener (total grains)	20 2 4 32,000	
STEP #1: Figure number of gallons used per day # of people x "75"	300	
STEP #2: Figure Compensated Hardness gpg of Hardness + (ppm Iron/Manganese x "4")	28	
STEP #3: Figure total grains used per day Step #1 answer x Step #2 answer	8,400	
STEP #4: Figure Days between Regenerations Softener Capacity / Step #3 answer	3.81	

NOTE: Always round "down" to the next lowest number of days between regeneration when programming. In the example above, the answer was 3.81 days between regenerations. For a 32,000 Grain Capacity Softner you would set the softener to regenerate every "3" days.

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