



GENERAL SOFTENER EFFICIENCY EVALUATION CHECKLIST

Condition	How to check	Recommendations
<input type="checkbox"/> Does the hose bibb receive softened water?	Use a hardness strip to test water from outdoor hose spigot.	➔ If hose bibb is softened, recommend re-plumbing to disconnect hose bibb from softener.
<input type="checkbox"/> Are there any leaks in fixtures that use soft water?	Follow usual procedure for identifying leaks. Use a hardness strip to determine if the fixture receives soft water.	➔ Recommend repair or replacement for leaking fixtures.
<input type="checkbox"/> Is the softener 15 years old or older?	<ol style="list-style-type: none"> 1) Ask homeowner 2) Examine softener for age on label 3) Consult clunker list 	➔ If 15 years old or older, recommend replacement of softener*.
<input type="checkbox"/> Is the softener a time-clock?	Examine softener control head for regeneration method (days = time-clock, gallons = demand-initiated regeneration). (See Attachment 1 for more info.)	➔ If a time-clock, recommend replacement of softener*.
<input type="checkbox"/> Is the softener a "clunker"?	Examine softener for model/brand. If the model/brand can be located, consult the clunker/optimizable list (Attachment 2).	➔ If a "clunker," recommend replacement of softener*.

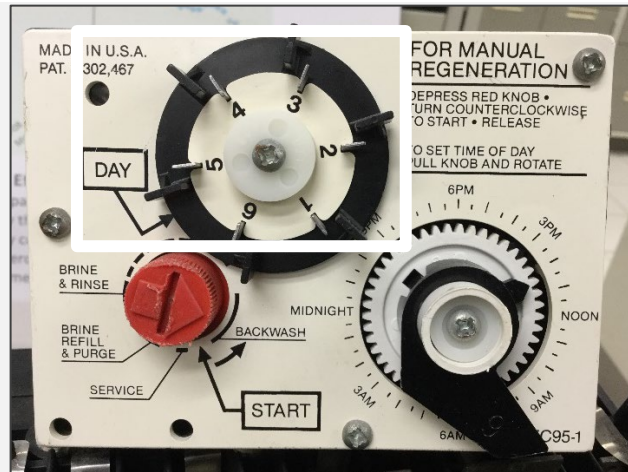
* When recommending a replacement, the new unit should meet these criteria, depending on the type of unit:

- **Water softener:** The new softener should be rated to achieve an efficiency of at least 4000 grains per pound and should be installed with settings configured to meet this efficiency.
- **Other water conditioning device:** Any new salt-free water treatment device should be approved for use in residential applications by the State of Wisconsin.

Attachment 1: Time-clock vs. Demand-initiated examples

This **time-clock** control head has a circle labeled “Day” with numbered pins going around the circle. The number corresponds to the number of days between regenerations.

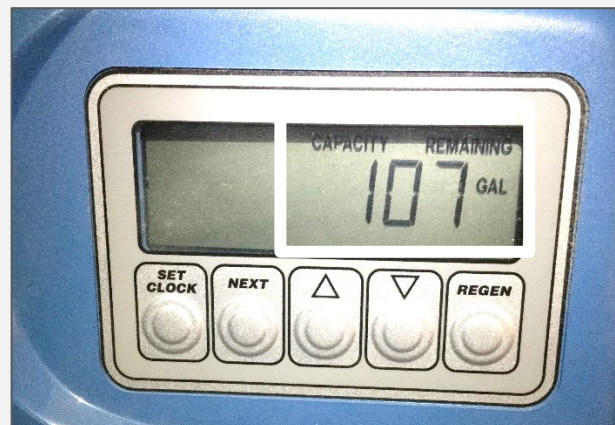
➔ Look for the “Day” label near a wheel or dial.



This **demand-initiated** control head has a dial labeled “Capacity (Gallons)” with numbers around the dial. The numbers on the dial correspond to the number of gallons between regenerations.

➔ Look for the “Gallons” label near a dial on an analog control head, or on a screen on a digital control head

Note that there is still a clock on demand-initiated control heads, but that does not mean they are time-clocks! The “time of day” setting on demand-initiated softeners sets the time of day that the softener regenerates, not the day that it regenerates.



Attachment 2: Optimizable and Clunker Softeners List

The softeners on these lists have been categorized as “clunkers” (water softeners unable to meet the desired salt efficiency) and optimizable units (water softeners that can be configured to meet a higher efficiency).

This list was compiled by the District from the manufacturers of these brands of softeners. This is **not** a complete list of every softener that may be encountered; it is meant to provide guidance on the condition of water softeners that are commonly found in the District’s service area. This list may change or expand as the District gathers more information about existing softeners in the service area.

➔ If you encounter a water softener on this list that is classified as a “clunker,” recommend replacement of that unit. If it is optimizable, you can recommend that the customer have their softener optimized by a trained service provider or, if you are trained, perform an optimization yourself.

Capital Water	
Clunkers	Optimizable
C-24	CFLM-24
C-32	CFLM-32
CM 24	FLM 24
CM 32	FLM 32
E-16	WS-24
E-24	WS-32
FA-16	WS-48
FA-24	WS-24-ER
FA-32	WS-32-ER
FL-24	WS-48-ER
FL-32	WS-24-HE4000
M 24	WS-32-HE4000
M 32	WS-48-HE4000
MPS-24	
MPS-32	

Fox Water	
Clunkers	Optimizable
24DP	24DC
16/M	32DC
24/M	48DC
32/M	24DPH
48/M	32DPH
16/MW	48DPH
24/MW	32DP
32/MW	48DP
48/MW	24DBW
16P	32DBW
24P	48DBW
32P	
48P	
E16	
E24	
E32	
E48	

Culligan**Clunkers**

Estate 2m
 Mark 100 9"
 Mark 100 12"
 Mark 59
 Mark 89
 Northbrook 8

Optimizable

Gold 9"
 Gold 10"
 HE 10 "
 HE Sensor 9"
 Medallist 8"
 Medallist Plus 30
 Medallist Plus 45

Hellenbrand**Clunkers**

AM1-16E
 AM1-24E
 AM1-32E
 AM1-48E
 PS1-16E
 PS1-24E
 PS1-32E
 PS1-48E

Optimizable

E3-24
 E3-32
 E3-48
 EcoMax-8
 EcoMax-9
 EcoMax-10
 F/FM- 800
 F/FM -1200
 F/FM -1600
 F/FM -2250
 H100-24
 H100-32
 H100-48
 H125-32
 H125-48
 H125-64
 H125 HE-10
 H125 HE-12
 H125 HE-13
 H125 HE-14
 PRO100-024
 PRO100-032
 PRO100-048
 WM1-16M
 WM1-24M
 WM1-32M
 WM1-48M

Other

Use this space to take notes on other identified softeners.

Clunkers**Optimizable**

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