

# 7500-Rev Series Water Softeners

Lower Salt Use. Higher Flow Rate



Clean Water Made Easy

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## Fully adjustable ceramic valve for residential and light commercial use.

The 7500 Water Softeners feature innovative, patented ceramic discs for ultimate performance and reliability. The discs are abrasion and corrosion resistant, extending life while reducing maintenance costs.

7500 Softeners have (4) four advanced programming options with fully adjustable cycles to minimize water usage. Flow sensor tracks water used and only regenerates when needed saving salt and water.

Upflow brining models available for maximum salt and water saving.

These advanced heavy-duty softener systems come equipped with signal output for external devices and interlock functions to connect to multiple valves in series. The valves offer remote handling from PLC or computer control.



## 7500 Softener Features.

Patented ceramic discs are corrosion and abrasion resistant for longer life and reduced maintenance.

Multiple, programmable efficiency settings; grains exchanged per lb. of salt.

Bright, easy to read LCD and LED display options.

Long-term memory for program functions.

72-hour memory backup.

No external PLC required to operate multiple control heads or external devices. Easily set up twin and multi-tanks systems for high flow rates.

Rugged one-piece NSF certified softener tank. Control valve and resin NSF certified.

**Lifetime Warranty on ceramic disc. 10 Year Warranty on filter tank. 5 Year Warranty on backwash control valve.**



Choose black tank with stainless steel or black neoprene jackets. Brine tanks available in round black and square almond color.

# 7500-Rev Series Water Softeners

## Choose Downflow or Upflow



### 7500 Downflow Softeners

PART #	Softener Tank Size	Brine Tank Size
WS006320	6" x 35"	18" x 33"
WS006480	10" x 30"	18" x 33"
WS006330	8" x 44"	18" x 33"
WS006340	13" x 30"	18" x 33"
WS006350	9" x 48"	18" x 33"
WS006360	10" x 54"	18" x 33"
WS006290	12" x 52"	18" x 33"
WS006300	13" x 54"	18" x 33"
WS006310	14" x 65"	18" x 40"

### Best for Well Water

Height	Media Cubic Ft	Service Flow GPM	Capacity
42.25"	0.5	5	16K
36.25"	0.75	7.5	24K
44"	0.75	7.5	24K
36.5"	1	10	32K
54.5"	1	10	32K
61"	1.5	15	48K
58.5"	2	20	64K
60.5"	2.5	25	80K
71.75"	3	30	96K

### 7500 Upflow Softeners

WS006410	9" x 48"	18" x 33"
WS006420	10" x 54"	18" x 33"
WS006430	12" x 52"	18" x 33"
WS006440	13" x 54"	18" x 33"

### Best for City Water

54.5"	1	10	32K
61"	1.5	15	48K
58.5"	2	20	64K
60.5"	2.5	25	80K



### Square brine tanks option

<b>Pipe Size</b>	3/4" or 1"	Bypass Valve Included
<b>Electrical</b>	Input 120V or 220V 50/60Hz Output 12V 650mA	
<b>Pressure Drop</b>	15 PSI at Max Flow	Max Pressure 88 PSI
<b>Temp:</b>	Min 35F Max 100F	

**Which size is best?** For homes with 1 to 2.5 bathrooms and 2 to 4 persons, the 32K grain or 48K grain capacity system works great. If your water is very hard (over 20 grains per gallon) and you have a larger family, use the 64K or 80K unit.

**What does Capacity in grains refer to?** Grains is a measure of the hardness in water. Water containing more than 5 grains per gallon can be considered to be "hard", that is, high in calcium carbonate. The higher the grains per gallon, the harder the water. Over 10 grains per gallon is very hard, and over 20 grains per gallon is considered extremely hard. Capacity is total amount of hardness grains removed, such as 24,000 or 24K for short.

**How does this relate to the size and capacity of the softener?** A softener that has a capacity of 24K grains, means that it can soften approximately 1000 gallons of water that is 24 grains/gallon in hard, before it becomes exhausted and needs to be regenerated. After it has removed the hardness, it is automatically cleaned and regenerated by the brine solution from the salt brine tank, and it can then remove another 24,000 grains of hardness.

**What maintenance is required?** All you have to do is add softener salt to the brine tank every few months typically. The large brine tank holds 6 to 7 bags of salt and lasts for 4 to 12 months before requiring additional salt.

**Which is difference between Downflow and Upflow Models?** Downflow or Upflow refers to the way the salt brine is drawn into the softener during regeneration. The upflow softener brings brine into the bottom and flows up through the resin. This saves on salt and is more efficient regeneration of the resin as compared to downflow.

However we recommend downflow for well water or other applications where sediment might be present as the upflow type brine injector has a small orifice and may require more maintenance on well water.

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