

STERLING

WATER TREATMENT

- Cleaner laundry
- Sparkling dishes
- Plumbing protection
- Bottom line savings
- Extends the life of water using appliances
- Ready out of box to connect to 1" or 3/4" plumbing

PWS1 Series Water Softeners

PWS1 Series water softeners from Sterling bring system performance and ease of service to a new level.



- **Mav and Relay Connections.** Valve capable of running no hard water valves, running in sequence, or operating a dosing pump.
- **Modular Design.** Provides quick servicing of the control. No bolts or screws means most repairs can be done without tools.
- **Adjustable Brine Fill Cycle Sequences.** Allows selection of pre-fill or post fill.
- **Push-button Simplicity.** All settings and information retrievable at your fingertips.
- **Adjustable Operation.** Intuitive controller allows for fully adjustable settings.
- **Suspended Backwashing System.** Scrubs iron and turbidity from the resin bed with each regeneration.
- **Non-corrosive Construction.** All components are made of fiberglass, stainless steel or similar materials to provide years of service without rust or corrosion.
- **Full Flow Bypass Valve.** Easy to use, two handle valve allows you to water the garden or yard with raw water. Large porting prevents pressure drop.
- **Hefty Brine Tank*.** Large, 220 lb. capacity tank reduces the frequency of salt refill. Salt support platform keeps the salt dry and stops "mushing". Safety brine valve prevents overflow of salt brine.

* Salt capacity does not apply to space saver or cabinet models.



SPECIFICATIONS PWS1 SERIES

Model Number	Grain Capacity		Type of Regeneration	Flow Rate (gpm)		Resin Volume	Overall Dimensions			Salt Storage	Pipe Size
	Max.	Std.		Peak	Service		D	W	H		
PWS1-30	30,000	24,000	Meter	18	8	1.0	18"	27"	56"	220 lbs	3/4" & 1"
PWS1-45	45,000	36,000		18	12	1.5	18"	28"	62"		
PWS1-60	60,000	48,000		23	14	2.0	18"	30"	56"		
PWS1-75	75,000	60,000		22	18	2.5	18"	31"	62"		
PWS1-90	90,000	72,000		23	19	3.0	23"	37"	74"	600 lbs	
PWS1C30	30,000	24,000	Meter Compact	22	8	1.0	16"	23"	43"	120 lbs	

NOTE: Service flow rate of control valve with bypass and meter is 27gpm @ 15 psig drop.



Our unique microprocessor based control head monitors system performance, water consumption and more...

- Days since last regeneration
- Gallons since last regeneration
- Reserve based on water usage over last 21 days
- Water flow rates
- Peak flow over last seven days
- Total days since start-up
- Total gallons used since start-up
- Program cycle times

If the power fails, you only need to reset the clock.

All the settings and historical data will remain unchanged.

The Sterling PWS1 Series is designed to handle the most demanding household needs. Whether the water is from a municipal source or a private well, the PWS1 Series is highly effective in removing unwanted hardness minerals. Use the PWS1 Series alone or in combination with iron filters or neutralizers to tackle some of the most challenging water problems.

The PWS1 Series gets the job done the first time.

- Models to handle any size household, large or small
- Excellent softening capacity
- Programmable brine fill cycle sequence
- Simplified operator interface
- Built-in memory
- Programmable operation
- Mav and relay connections



Available in a Space-saver model!

Only 12" x 23" of floor space required and 43" in height.





- Whole House Filtration
- Semi-transparent media tank
- Ready out of box to connect to 1" or 3/4" plumbing

PCS1 Series

Backwashing Carbon Filter



- **Scientific Media Blend.** A blend of different type of carbon medias helps this unit tackle Chloramines, Chlorine, VOCS, THMS and a variety of odors.
- **Max and Relay Connections.** Valve is capable of running no hard water valves, running in sequence, or operating a dosing pump.
- **Deep Dive History.** Detailed water usage history for better diagnostics.
- **Rugged Mechanical Piston Valve.** No Solenoids or flapper valves to stick.
- **Contractor Info.** If desired contractor name and phone number can be stored on valve. In event of needed service unit will display this information.
- **Suspended Backwashing System.** Automatically flushes contaminates down to drain then scrubs and turns over media for longer bed life.
- **Easy to Program Valve.** Simple touch buttons to help with programming and manual backwashing.
- **Full Flow Bypass Valve.** Simple quarter turn of the handles takes the unit off stream. This is ideal for watering the yard or providing water while the unit is being serviced.
- **Non-corrosive Construction.** Components are fiberglass and polyethylene, eliminating rust and corrosion problems.

Model Number	Media Volume cu. ft.	Flow Rate (gpm)			Overall Dimensions			Pipe Size
		Backwash	Peak	Service	D"	W"	H"	
PCS1-10	1.0	5.3	10	5	16"	11"	52"	3/4" & 1"
PCS1-15	1.5	5.3	10	5	16"	11"	62"	
PCS1-20	2.0	7.5	14	8	17"	13"	56"	
PCS1-25	2.5	9.0	17	9	18"	14"	62"	
PCS1-30	3.0	11.0	19	11	18"	15"	74"	

NOTE: Service flow rate of control valve with bypass and meter is 27gpm @ 15 psig drop.
 NOTE 2: Above filters are not designed for continuous flow applications like ground water heat pumps.



STERLING

WATER TREATMENT

- Sanitary quick-change cartridges
- 50 GPD membrane*
- Decorator faucet
- Clear ice cubes
- Healthy, sparkling, clear drinking water
- Better tasting beverages, soups, and sauces

QCRO Series

Quick Change
Reverse Osmosis



Cartridges pivot out for easy removal!



The QCRO Series Reverse Osmosis Drinking Water System reduces harmful contaminants and turns common tap water into the fresh, quality water that nature intended us to drink. A 5-stage system filters water at the molecular level. Drawn water passes through a final carbon filter to remove any unwanted tastes or odors. The result is simply healthier, better tasting water.

R.O. System Pre-Requirements

- Less than 7 GPG Hardness
- Less than 0.1 PPM Iron
- Less than 0.05 PPM Manganese
- No Hydrogen Sulfide
- Use only on microbiologically safe water
- 40 psi inlet pressure minimum
 - If inlet pressure is lower select QCRO-50-PUMP model instead

- **Environmentally sound water treatment.**
- **Cost effective:** the daily cost of bottled water will no longer be a concern.
- **Convenient:** fresh, clean water ready at your tap --no more handling of jugs.

Model Number	Membrane Rating*	% Rejection	Max TDS	Water Temp.	Overall Dimensions			Storage Tank
					D	W	H	
QCRO-50	50 GPD	75 - 97%	800 PPM	40° - 100°	4.75"	13.5"	19"	10" Dia. X 15" H

*Actual gallons produced will vary depending on water pressure, temperature, and TDS.



STERLING

WATER TREATMENT

- Reduces chlorine, taste & odor
- Protects softener resin from deterioration by chlorine
- Provides luxurious, great tasting soft water

SCT1 Series

Carbon Filter/Softener



- **One Unit.** Saves space by doing the job of two pieces of equipment. A carbon filter and a water softener.
- **Easy to Install.** One control valve, come ready out of the box to plumb to either 3/4" or 1" piping.
- **Full Flow Bypass Valve.** Simple to use valve allows you to bypass the system for lawn irrigation.
- **Simple Maintenance.** Merely add salt periodically and re-bed the carbon filter if it ever becomes exhausted.
- **Hefty Brine Tank.** Large, 220 lb. capacity tank reduces the frequency of salt refill. Salt support platform keeps the salt dry and stops "mushing". Safety brine valve prevents overflow of salt brine.

Model Number	Grain Capacity		Type of Regeneration	Flow Rate (gpm)		Resin Volume	Overall Dimensions			Salt Storage	Pipe Size
	Max.	Std.		Peak	Service		D	W	H		
SCT1-30	30,000	24,000	Meter	18	8	1.0	18"	42"	64"	220 lbs	3/4" & 1"
SCT1-45	45,000	36,000		18	12	1.5	18"	44"	70"		
SCT1-60	60,000	48,000		22	16	2.0	18"	48"	64"		
SCT1-75	75,000	60,000		22	18	2.5	18"	50"	70"		
SCT1C-30	30,000	24,000	Meter Compact	18	8	1.0	16"	44"	51"	120 lbs	



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SWS1 Series Water Softeners

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- **Adjustable Brine Fill Cycle Sequences.** Allows selection of pre-fill or post fill.
- **Push-button Simplicity.** All settings and information retrievable at your fingertips.
- **Adjustable Operation.** Allow the flexibility to maximize salt efficiency and conserve water usage.
- **Suspended Backwashing System.** Scrubs iron and turbidity from the resin bed with each regeneration.
- **Non-corrosive Construction.** All components are made of fiberglass, stainless steel or similar materials to provide years of service without rust or corrosion.
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