



PERFORMANCE DATA SHEET

Powerline Water Conditioning Systems

Model/Product Numbers

PS 0840 T
PS 1040 T
PS 1054 T

PS 0840 M
PS 1040 M
PS 1054 M

PS 0840x T
PS 1040x T
PS 1054x T
PS 1354x T

PS 0840x M
PS 1040x M
PS 1054x M
PS 1354x M





Models: PS 0840 T, PS 1040 T, PS 1054 T, PS 0840 M, PS 1040 M, PS 1054 M, PS 0840x T, PS 1040x T, PS 1054x T, PS 1354x T,
PS 0840x M, PS 1040x M, PS 1054x M, PS 1354x M

The Powerline Water Conditioning Systems are tested and certified by the Water Quality Association (WQA) under NSF/ ANSI Standard 44 for performance. In addition, the materials and components used in the construction of these systems have been tested by the Water Quality Association (WQA) to assure that levels of extractable contaminants do not exceed established limits set by NSF/ANSI Standard 44. They have also been evaluated under Standard 44 to assure that they are designed and constructed so their intended purpose can be accomplished when installed and operated in accordance with the manufacturer's instructions.

IMPORTANT

- Installation of this product must comply with state and local plumbing laws.
- Provisions for an antisiphon air gap should be part of the installation to prevent a cross connection between the water system and the waste system.
- Waste connections or drain outlets shall be designed and constructed to provide for connection to the sanitary water system through an air gap of 2 pipe diameters or 1 inch (25mm) whichever is larger.
- Do not use on water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system, or that contains high concentrations of sediment, dirt or other suspended matter without additional treatment steps.
- Read this performance data sheet and compare the capabilities of this unit with your actual water treatment needs.
- It is recommended that before purchasing a water treatment unit, you have your water supply tested to determine your actual water treatment needs.
- Have your system tested for hardness reduction every few months to assure the system is softening properly.
- For operation and maintenance information, consult the product owner's manual. Installation instructions are available for review from your authorized Kinetico Dealer.
- The use of a quality grade pure salt (sodium chloride) processed especially for water conditioners is recommended.
- Water conditioners using sodium chloride for regeneration add sodium to the water. Persons who are on sodium restricted diets should consider the added sodium as part of their overall sodium intake.
- An efficiency rated water softener is a DIR softener which also complies with specific performance specifications intended to minimize the amount of regenerant brine and water used in its operation. These softeners shall have a rated salt efficiency of not less than 3350 grains of total hardness exchanged per pound (477 grams per kilogram) of salt (based on NaCl equivalency) and shall not deliver more salt than its listed rating. The efficiency is valid only at the low salt dosage and is measured by a laboratory test described in NSF/ANSI Standard 44. The test represents the maximum possible efficiency that the system can achieve. Operational efficiency is the actual efficiency achieved after the system has been installed. It is typically less than the efficiency due to individual application factors including water hardness, water usage, and other contaminants that reduce the softener's capacity.



Models: PS 0840 T, PS 1040 T, PS 1054 T, PS 0840 M, PS 1040 M, PS 1054 M, PS 0840x T, PS 1040x T, PS 1054x T, PS 1354x T, PS 0840x M, PS 1040x M, PS 1054x M, PS 1354x M

SPECIFICATIONS:

Minimum/Maximum Operating Pressure: 138 - 827 kPa (20-120 psi)

Maximum Working Pressure: 827 kPa (120 psi)

Minimum/Maximum Operating Temperature: 2°C-43°C (35°F-110°F)

MODEL	PS 0840 T		PS 1040 T		PS 1054 T	
Service Flow Rate at 15 psi (or less) drop gpm	7.5 gpm		8.7 gpm		10.3 gpm	
Resin per tank, cu. f.	0.7 cu. f.		1.0 cu. f.		1.5 cu. f.	
Capacity per cycle, grains	8,400 grains	15,900 grains	12,000 grains	22,700 grains	19,900 grains	37,600 grains
Grains exchanged per Pound of salt	4,000 grains	2,524 grains	4,000 grains	2,522 grains	4,422 grains	2,785 grains
Salt used per cycle, lbs	2.1 lbs.	6.3 lbs.	3.0 lbs.	9.0 lbs.	4.5 lbs.	13.5 lbs.
Max flow rate to drain during regeneration, gpm	1.5 gpm		2.0 gpm		2.4 gpm	

MODEL	PS 0840 M		PS 1040 M		PS 1054 M	
Service Flow Rate at 15 psi (or less) drop gpm	7.5 gpm		8.7 gpm		10.3 gpm	
Resin per tank, cu. f.	0.7 cu. f.		1.0 cu. f.		1.5 cu. f.	
Capacity per cycle, grains	8,400 grains	15,900 grains	12,000 grains	22,700 grains	19,900 grains	37,600 grains
Grains exchanged per Pound of salt	4,000 grains	2,524 grains	4,000 grains	2,522 grains	4,422 grains	2,785 grains
Salt used per cycle, lbs	2.1 lbs.	6.3 lbs.	3.0 lbs.	9.0 lbs.	4.5 lbs.	13.5 lbs.
Max flow rate to drain during regeneration, gpm	1.5 gpm		2.0 gpm		2.4 gpm	

MODEL	PS 0840x T		PS 1040x T		PS 1054x T		PS 1354x T*	
Service Flow Rate at 15 psi (or less) drop gpm	8.0 gpm		9.0 gpm		10.3 gpm		13 gpm	
Resin per tank, cu. f.	0.7 cu. f.		1.0 cu. f.		1.5 cu. f.		2.5 cu. f.	
Capacity per cycle, grains	11,200 grains	19,000 grains	16,100 grains	27,300 grains	26,900 grains	45,600 grains	50,000 grains	75,000 grains
Grains exchanged per Pound of salt	4,000 grains	1,810 grains	4,025 grains	1,820 grains	4,483 grains	2,027 grains	3,333 grains	2,000 grains
Salt used per cycle, lbs	2.8 lbs.	10.5 lbs.	4.0 lbs.	15.0 lbs.	6.0 lbs.	22.5 lbs.	15.0 lbs.	37.5 lbs.
Max flow rate to drain during regeneration, gpm	1.5 gpm		2.0 gpm		2.4 gpm		4.0 gpm	

MODEL	PS 0840x M		PS 1040x M		PS 1054x M		PS 1354x M*	
Service Flow Rate at 15 psi (or less) drop gpm	8.0 gpm		9.0 gpm		10.3 gpm		13 gpm	
Resin per tank, cu. f.	0.7 cu. f.		1.0 cu. f.		1.5 cu. f.		2.5 cu. f.	
Capacity per cycle, grains	11,200 grains	19,000 grains	16,100 grains	27,300 grains	26,900 grains	45,600 grains	50,000 grains	75,000 grains
Grains exchanged per Pound of salt	4,000 grains	1,810 grains	4,025 grains	1,820 grains	4,483 grains	2,027 grains	3,333 grains	2,000 grains
Salt used per cycle, lbs	2.8 lbs.	10.5 lbs.	4.0 lbs.	15.0 lbs.	6.0 lbs.	22.5 lbs.	15.0 lbs.	37.5 lbs.
Max flow rate to drain during regeneration, gpm	1.5 gpm		2.0 gpm		2.4 gpm		4.0 gpm	

All of the above models, with the exception of PS 1354x T and PS 1354x M, meet California requirements of 4000 grains exchanged per pound of salt used. Efficiency is only certified at the low salt dosage and was determined in accordance with NSF/ANSI Std. 44.

**Products not certified or for sale in the State of California

Kinetico Water Conditioners are tested and certified by the WQA to the requirements of NSF/ANSI Standard 44 for softener performance, with the exception of PS 1354x T and PS 1354x M.

