

PERFORMANCE DATA SHEET

PURONICS believes that the more informed our customers are about their water treatment systems, the more confident they will be regarding their water treatment system's capabilities and performance. In our commitment to better serve our customers to this end, PURONICS is pleased to provide this Performance Data Sheet to our valued customers for their review, consideration, and information.

PURONICS MODEL HYDRONEX 45B WATER CONDITIONER



The Model HYDRONEX 45B was Tested, Validated and Certified by The WQA against ANSI / NSF Standard 44 – “*Residential Cation Exchange Water Softeners*” for the reduction of Calcium and Magnesium (hardness), and against ANSI / NSF 372 fir “lead free” compliance, as verified and substantiated by test data.

TESTING CONDITIONS

Total Hardness:	20 ± 2 gpg
Iron:	< 0.1 mg/L
pH:	7.5 ± 0.5
Temperature:	65 ± 10 °F
Total Dissolved Solids(TDS):	400-600 mg/L
Turbidity:	< 1 NTU
Sodium:	≤ 5.0 gpg
Challenge Water Flow Rate:	4.0 gpm
Pressure:	35 ± 5 psig

CERTIFIED TESTING RESULTS

Capacity:	22,740 grains @ 5.625 lbs. salt
	29,371 grains @ 11.25 lbs. salt
	35,040 grains @ 18.75 lbs. salt
Efficiency Rated Dosage	
	4042.67 grains at 5.625 lbs. of salt at maximum
	service flow of 13.3 gpm (the efficiency is only
	valid at the stated salt dosage and service flow
	rate.)

MODEL HYDRONEX 45B WATER CONDITIONER SPECIFICATIONS:

- Tank Size: 10" x 54"
- Cation Exchange Resin Volume: 1.25 Cubic Feet
- Hygiene Bacteriostatic Media Quantity..... 3 lbs.
- Maximum Flow Rate: 13.3 gpm
- Pressure Drop at Maximum Flow Rate: 15 psi
- Operating Temperature Range: 33 – 100 °F
- Operating Pressure Range: 25 – 125 psi
- Maximum Regeneration Drain Flow Rate: 1.7 gpm
- Maximum Regeneration Time:..... 91 minutes
- Maximum Regeneration Water Consumption: 47 gallons
- Electrical Requirements..... 12 V/60 Hz

This water conditioner is Efficiency Rated. It has a Demand Initiated Regeneration (D.I.R.) feature which complies with specific performance specifications intended to minimize the amount of regenerant brine and water used during its operation. The water conditioner has a rated salt efficiency of not less than 3350 grains total hardness exchanged per pound of salt used (based upon NaCl equivalency), and shall not deliver more salt than its listed rating. The efficiency is measured by a laboratory test as described in NSF/ANSI Standard 44. This test represents the maximum possible efficiency that the systems can achieve given the properly installed optional items. Operational efficiency is the actual efficiency achieved after the

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system has been installed. Operational efficiency is typically less than Rated Efficiency due to individual application factors including source water hardness, water usage, and other contaminants within the source water that can foul the resin, and/or reduce the water conditioner's capacity.

PURONICS Bacteriostatic Water Conditioners are designed to work with any salt of good quality. However, it is recommended that you ask your local PURONICS Authorized Dealer for their suggestion on the best type and grade of salt to use with this Water Conditioner.

To avoid contamination from improper handling or installation, your systems should be installed and serviced by your local PURONICS Authorized Dealer. Performance will vary based upon local source water conditions. Contaminants reduced by this system are not necessarily within your local source water.

Please refer to this Homeowners Manual for further instruction and discussion on the proper installation, operation, and features of your new PURONICS Model HYDRONEX 45B Water Conditioner.

MANUFACTURER:

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NOTICE: *This Water Conditioner is not intended for use in treating water that is microbiologically unsafe, or of unknown quality, without adequate disinfection before or after the system.*

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