

## Specifications and Performance Claims

Specifications		
Model	<b>GXMH31H</b>	
Rated Capacity* (Grains@ Salt Dose)	11,000 @ 2.6 lbs 24,700 @ 7.8 lbs. 31,100 @ 13.4 lbs.	
Rated Efficiency** (Grains/Pound of Salt @ Minimum Salt Dose)	4,240 @ 2.6 lbs.	
Water used during Regeneration (gallons/grains)	5.0 /1000	
Total Water Used per Regeneration @ Maximum Salt Dose	54.7 gallons	
Amount of High Capacity Ion Exchange Resin (lb/cu.ft.)	50.81/0.98	
Resin Tank Nominal Size (in., dia. x height)	10 x 40	
Service Flow Rate (gpm)	8.0	
Pressure Drop at Rated Service Flow (psig)	6.5	
Water Supply Maximum Hardness (gpg)	120	
Water Supply Maximum Clear Water Iron (ppm)***	3	
Water Pressure Limits (minimum-maximum psi)****	20-125	
Water Temperature Limits (minimum-max. °F)	40-120	
Maximum Flow Rate to Drain (gpm)	2.0	
Rated Capacity at Chlorine Concentration***** of:	0.50 ppm 0.75 ppm 1.0 ppm 1.5 ppm 2.0 ppm	2,282,000 gal. 1,520,000 gal. 1,140,000 gal. 760,000 gal. 570,000 gal.

This system conform to NSF/ANSI 42 & 44 for the specific performance claims as verified and substantiated by test data.

- \* Testing was performed using pellet grade sodium chloride as the regenerant salt.
- \*\* Efficiency rating is valid only at the lowest stated salt dosage. These softeners were efficiency rated according to NSF/ANSI 44.
- \*\*\* Extent of iron removal may vary with conditions. The capacity to reduce clear water iron is substantiated by WQA test data. State of Wisconsin requires additional treatment if water supply contains greater than 5 ppm clear water iron. Refer to Cleaning Iron Out of the Water Softening System section.
- \*\*\*\* Canada working pressure limits: 1.4–7.0 kg/cm<sup>2</sup>.
- \*\*\*\*\*Typical residential chlorine concentration is 0.5 to 1.0 ppm.

Performance Claims		
Contaminant	Influent Challenge Level	Maximum Allowable Product Water Level
Barium	10 ±10% mg/L	2.0 mg/L
Radium 226/228	25 pCi/L	5pCi/L

Test parameters include: pH = 7.5±0.5, flow rate = 7.5 gpm  
and dynamic pressure = 35±5 psig