

TC-M CONDITIONER

DEMAND INITIATED REGENERATION WATER TREATMENT SYSTEMS

Electrical: 24 VDC, 50/60 Hz
Operating Temperature: 40-100°F (4.4 – 38C)
Operating Pressure of Supply: 20-120 psi (138-828 kPa)
Salt per Regeneration: Variable

LIST OF CONTAMINANTS REDUCED

Contaminant	US EPA MCL
Barium*	2 ppm
Radium 226/228*	5 pCi/L

NSF/ANSI 44 TEST CONDITIONS: 35 ± 5 psi, 65 ± 10°F, pH 7.5 ± 0.5 at service flow rate

*Hardness was used as a surrogate for Barium and Radium reduction claims per NSF/ANSI 44

Unit	Max Service Flow rate (gpm)	Pressure drop at SFR (psi)	Drain flow rate (gpm)	Capacity at low salt (grains @ lbs salt)	Capacity at medium salt (grains @ lbs salt)	Capacity at high salt (grains @ lbs salt)	Efficiency
TC-M 75 CV	9.2	14.0	1.5	9,900 @ 2.25 lbs	21,300 @ 7.5 lbs	26,100 @ 11.2 lbs	4,400 @ 2.25 lbs
TC-M 100 CV	10.0	12.0	2.0	14,200 @ 3.0 lbs	30,500 @ 10.0 lbs	34,500 @ 15.0 lbs	4756 @ 3.0 lbs
TC-M 150 CV	10.4	15.0	2.0	21,400 @ 4.5 lbs	45,800 @ 15.0 lbs	51,800 lbs @ 22.5 lbs	4756 @ 4.5 lbs

IMPORTANT NOTICE

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.



TESTED AND CERTIFIED BY THE WQA TO NSF/ANSI 44 FOR THE SPECIFIC PERFORMANCE CLAIMS AS VERIFIED AND SUBSTANTIATED BY TEST DATA.

THE TC-M SERIES IS TESTED AND CERTIFIED BY WQA TO NSF/ANSI 372 FOR "LEAD FREE" COMPLIANCE.

THE TC-M SERIES IS TESTED AND CERTIFIED BY WQA TO CSA B483.1 STANDARD.



TESTED AND CERTIFIED BY NSF INTERNATIONAL TO NSF/ANSI STANDARD 44 AND CSA B483.1 FOR THE REDUCTION OF THE CLAIMS SPECIFIED ON THE PERFORMANCE DATA SHEET.



DEMAND INITIATED REGENERATION
WATER TREATMENT SYSTEM
PERFORMANCE DATA SHEET

TC-M CONDITIONER

DEMAND INITIATED REGENERATION WATER TREATMENT SYSTEMS

ADDITIONAL NOTES:

- The list of substances which this treatment device reduces does not necessarily mean that these substances are present in your water supply.
- Actual results may vary due to local water conditions.
- A water softener is not intended to be used for treating water that is microbiologically unsafe or of unknown quality without adequate disinfection before and after the system.
- An efficiency rated water softener is a DIR softener which also complies with specific performance specifications intended to minimize the amount of regenerated brine and water used in its operation.
- Efficiency rated water softeners shall have a rated salt efficiency of not less than 3350 grains of total hardness exchange per pound of salt (based on NaCl equivalency) (477 grams of total hardness exchange per kilogram of salt), and shall not deliver more salt than its listed rating.
- The efficiency rating is only valid at the stated salt dosage.
- The efficiency is measured by a laboratory test described in NSF/ANSI 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 softeners' capacity.

UNIT SHOULD BE INSTALLED IN AN AREA NOT AFFECTED BY EXTREME HEAT, COLD, OR THE ELEMENTS. THIS SYSTEM MUST BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE STATE AND LOCAL LAWS AND REGULATIONS.

THE SYSTEM CONTAINS AN ION-EXCHANGE MEDIA FOR REMOVING LISTED CONTAMINANTS AND MUST BE REGENERATED PERIODICALLY. REFER TO THE OWNERS MANUAL TO DETERMINE FREQUENCY OF REGENERATION.

PLAIN, WHITE BLOCK SALT IS RECOMMENDED. IF BLOCK SALT IS NOT AVAILABLE, A CLEAN, COARSE OR EXTRA COARSE ROCK OR SOLAR SALT MAY BE USED. DO NOT USE GRANULATED SALT.

CONSULT YOUR DEALER FOR POTASSIUM CHLORIDE USE.

SEE THE OWNERS MANUAL FOR GENERAL OPERATION AND MAINTENANCE REQUIREMENTS.

SEE WARRANTY CARD FOR SPECIFIC WARRANTY INFORMATION.

YOUR LOCAL DEALER IS AVAILABLE FOR SERVICE AND WARRANTY PARTS REPLACEMENT.

THIS PERFORMANCE DATA SHEET IS NOT FOR USE IN CALIFORNIA. SEE CALIFORNIA SPECIFIC DATA SHEET.

For purchases made in the State of Iowa: This form must be signed and dated by the buyer and seller prior to the consummation of this sale. The seller for a minimum of two years should retain this form on file.

Buyer _____
Name _____
Address _____
City _____ State _____ Zip _____
Signature _____ Date _____

Seller _____
Name _____
Address _____
City _____ State _____ Zip _____
Signature _____ Date _____