



DEMAND INITIATED
WATER TREATMENT SYSTEM
PERFORMANCE DATA SHEET

EC5 100 T and EC5 100 CT

DEMAND INITIATED WATER TREATMENT SYSTEMS

- SERVICE FLOW RATE: 10.0 GPM (T)
- SERVICE FLOW RATE: 10.0 GPM (CT)
- DRAIN FLOW RATE: 2.0 GPM
- PSI DROP @ FLOW RATE: 10.0 psi (T)
- PSI DROP @ FLOW RATE: 11.0 psi (CT)
- ELECTRICAL: 24 VDC, 50/60 Hz (COMPUTER)
- SALT PER REGENERATION: VARIABLE
- CAPACITY: 13,500 GRAINS @ 3.0 LB. SALT
- CAPACITY: 26,100 GRAINS @ 10.0 LB. SALT
- CAPACITY: 30,500 GRAINS @ 15.0 LB. SALT
- EFFICIENCY: 4,516 GRAINS @ 3.0 LB. SALT
- OPERATING TEMPERATURE: 40-100°F (4.4 - 38°C)
- OPERATING PSI OF SUPPLY: 20-120 PSI (138-828 kPa)

LIST OF CONTAMINANTS REDUCED

CONTAMINANT	USEPA MCL
BARIUM*	2 PPM
RADIUM 226/228*	5 PCI/L

NSF/ANSI STANDARD 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

SOFTENING PERFORMANCE TEST

CHALLENGE	AVERAGE INFLUENT LEVEL	AVERAGE EFFLUENT LEVEL
HARDNESS	335 PPM	8 PPM

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

*This softening performance test was performed at a higher flow rate of 13.1 gpm.

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.
- An efficiency rated water softener is a Demand Initiated Regeneration softener which also complies with specific performance specifications intended to minimize the amount of regenerate brine and water used in its operation and will achieve a rating of not less than 3,350 grains of total hardness exchange per pound of NaCl salt and shall not deliver more salt than its listed rating. 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 and is typically less than the tested efficiency due to individual application factors including water hardness, water usage, and other contaminants that reduce the softeners capacity.
- 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.
- Efficiency of conditioner is valid only at the stated salt dosage.

THE 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.

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.

SEE THE OWNERS MANUAL FOR GENERAL OPERATION AND MAINTENANCE REQUIREMENTS.

SEE WARRANTY CARD FOR SPECIFIC WARRANTY INFORMATION.



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.



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

TESTED AND CERTIFIED BY WQA TO NSF/ANSI 372 FOR "LEAD FREE" COMPLIANCE.

TESTED AND CERTIFIED BY WQA TO CSA B483.1 STANDARD.

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.