



DEMAND INITIATED

WATER TREATMENT SYSTEM

PERFORMANCE DATA SHEET - page 1 of 2

EC4 75 V and EC4 75 CV

DEMAND INITIATED WATER TREATMENT SYSTEMS

- SERVICE FLOW RATE: 9.0 GPM (V)
- SERVICE FLOW RATE: 9.3 GPM (CV)
- DRAIN FLOW RATE: 1.5 GPM
- PSI DROP @ FLOW RATE: 15.0 psi (V)
- PSI DROP @ FLOW RATE: 15.0 psi (CV)
- ELECTRICAL: 24 VAC, 50/60 Hz (COMPUTER)
- SALT PER REGENERATION: VARIABLE
- CAPACITY: 28,100 GRAINS @ 11.2 LB. SALT
- CAPACITY: 24,000 GRAINS @ 7.5 LB. SALT
- CAPACITY: 13,400 GRAINS @ 3.0 LB. SALT
- EFFICIENCY: 4,470 GRAINS/LB.SALT @ 3.0 LB. DOSAGE
- 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

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.

SOFTENING PERFORMANCE TEST

CHALLENGE	AVERAGE INFLUENT LEVEL	AVERAGE EFFLUENT LEVEL
HARDNESS	350 PPM	9 PPM

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

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.

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.

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

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 STANDARD 44 FOR THE SPECIFIC PERFORMANCE CLAIMS AS VERIFIED AND SUBSTANTIATED BY TEST DATA.

SEE THE OWNERS MANUAL FOR GENERAL OPERATION AND MAINTENANCE REQUIREMENTS.

SEE WARRANTY CARD FOR SPECIFIC WARRANTY INFORMATION.



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PERFORMANCE DATA SHEET - page 2 of 2

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DEMAND INITIATED WATER TREATMENT SYSTEMS

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 _____



ACTIVATED CARBON
WHOLE HOUSE FILTRATION SYSTEM
PERFORMANCE DATA SHEET

MODEL QRS 844 SH
WHOLE HOUSE WATER TREATMENT FILTRATION SYSTEM

- CAPACITY FOR CHLORINE REMOVAL: 90,000 GALLONS
- CAPACITY FOR VOC REMOVAL: 20,000 GALLONS
- FLOW RATE: 6.0 GPM
- OPERATING TEMPERATURE: 40 - 100°F
- OPERATING PSI OF SUPPLY: 20 - 120
- MEDIA: 0.9 CU/FT
- PRESSURE DROP: 5.0 PSI @ 6.0 GPM

LIST OF CONTAMINANTS REDUCED			
CONTAMINANT	INFLUENT LEVEL (mg/L)	EFFLUENT LEVEL (mg/L)	USEPA MCL
ALACHLOR	0.050	0.001	0.002
ATRAZINE	0.10	0.003	0.003
BENZENE	0.081	0.001	0.005
CARBOFURAN	0.19	0.001	0.040
CARBON TETRACHLORIDE	0.078	0.0018	0.005
CHLORO BENZENE	0.077	0.001	0.10
2,4-D	0.11	0.0017	0.07
DIBROMOCHLOROPROPANE (DBCP)	0.052	0.00002	0.0002
O-DICHLOROBENZENE	0.08	0.001	0.60
P-DICHLOROBENZENE	0.04	0.001	0.075
1,2-DICHLOROETHANE	0.088	0.0048	0.005
1,1-DICHLOROETHANE	0.083	0.001	0.007
CIS- 1,2-DICHLOROETHYLENE	0.17	0.0005	0.07
1,2-DICHLOROPROPANE	0.08	0.001	0.005
CIS-1,3-DICHLOROPROPYLENE	0.079	0.001	---
DINOSEB	0.17	0.0002	0.007
ENDRIN	0.053	0.00059	0.002
ETHYLBENZENE	0.088	0.001	0.70
ETHYLENE DIBROMIDE (EDB)	0.044	0.00002	0.00005
HEPTACHLOR EPOXIDE	0.0107	0.0002	0.0002
HEXACHLOROBUTADIENE	0.044	0.001	---
HEXACHLOROCYCLOPENTADIENE	0.060	0.000002	0.05
LINDANE	0.055	0.00001	0.0002
METHOXYCHLOR	0.050	0.0001	0.04
PENTACHLOROPHENOL	0.096	0.001	0.001
SIMAZINE	0.120	0.004	0.004
STYRENE	0.150	0.0005	0.10
1,1,2,2-TETRACHLOROETHANE	0.081	0.001	---
TETRACHLOROETHYLENE	0.081	0.001	0.005
TOLUENE	0.078	0.001	1.00
2,4,5-TP (SILVEX)	0.27	0.0016	0.05
1,2,4-TRICHLOROBENZENE	0.16	0.0005	0.07
1,1,1-TRICHLOROETHANE	0.084	0.0046	0.20
1,1,2-TRICHLORETHANE	0.15	0.0005	0.005
TRICHLOROETHYLENE	0.18	0.001	0.005
TRIHALOMETHANES (includes): chloroform (surrogate chemical) bromoform bromodichloromethane chlorodibromomethane	0.30	0.015	0.08
XYLENES	0.07	0.001	10.00

ANSI/NSF STANDARD TEST CONDITIONS: 60 PSI (4.14 bar), 60° F (20°C), and Ph 7

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.

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.

NOT APPROVED FOR USE IN CALIFORNIA. PLEASE REQUEST CALIFORNIA-SPECIFIC LITERATURE FROM YOUR LOCAL RAINSOFT DEALER.

DO NOT INSTALL SYSTEM WHERE WATER IS MICROBIOLOGICALLY UNSAFE OR OF UNKNOWN QUALITY WITHOUT ADEQUATE DISINFECTION BEFORE OR AFTER THE SYSTEM. THE SYSTEM CONTAINS REPLACEMENT COMPONENTS CRITICAL FOR EFFECTIVE REMOVAL OF CONTAMINANTS. THE WATER SHOULD BE TESTED PERIODICALLY TO VERIFY THAT THE SYSTEM IS PERFORMING SATISFACTORILY.

ADDITIONAL TESTS			
CHALLENGE	AVERAGE INFLUENT LEVEL	AVERAGE EFFLUENT LEVEL	REDUCTION
Chlorine	3.0 mg/L	0.1 mg/L	97.0%

ADDITIONAL NOTES:

- The list of substances which this treatment device reduces does not necessarily mean that these substances are present in your water supply.
- Reductions shown are for Volatile Organic Chemicals/Compounds (VOC) as per NSF tables. Chloroform was used as a surrogate for VOC claims reduction; the actual reduction rate of Chloroform was >95% as tested by WQA (at 200% capacity).
- This system is designed for treatment of cold water only.
- This system contains silver impregnated carbon which inhibits the growth of bacteria on the filter media.
- Actual results may vary due to local water conditions.
- This system was tested and validated at specified flow rate, reduction claims above these rates may vary.



TESTED AND VALIDATED BY WQA UNDER NSF/ANSI STANDARD 42 FOR AESTHETIC CHLORINE REDUCTION. TESTED AND VALIDATED BY WQA UNDER NSF/ANSI STANDARD 53 FOR VOC REDUCTION.

SEE WARRANTY CARD FOR SPECIFIC WARRANTY INFORMATION.