

EC4 150 CV

DEMAND INITIATED TREATMENT SYSTEM

- SERVICE FLOW RATE = 10.4 GPM (39.4 LPM)
- DRAIN FLOW RATE: 2.0 GPM (7.6 LPM)
- PSI DROP @ FLOW RATE: 15.0 psi (1.1 kgf/cm²)
- OPERATING PSI OF SUPPLY: 20 psi - 120 psi (1.47 - 8.45 kgf/cm²)
- OPERATING TEMPERATURE: 40° F - 100° F (4.4° C - 38° C)
- ELECTRICAL: 24 VAC, 50/60 Hz (COMPUTER)
- SALT PER REGENERATION: VARIABLE
- EFFICIENCY: 4,750 GRAINS/LBS. SALT @ 4.5 LBS. DOSAGE

CAPACITY AND SALT SETTINGS

CAPACITY	SALT
21,400 GRAINS	@ 4.5 LBS. OF SALT
45,800 GRAINS	@ 15.0 LBS. OF SALT
51,800 GRAINS	@ 22.5 LBS. OF SALT

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 STANDARD 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

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 SODIUM CHLORIDE 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 THE CONDITIONER IS VALID ONLY AT THE STATED SALT DOSAGE.

THE SYSTEM 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.

DO NOT INSTALL SYSTEM WHERE WATER IS MICROBIOLOGICALLY UNSAFE OR OF UNKNOWN QUALITY WITHOUT ADEQUATE DISINFECTION BEFORE OR AFTER THE SYSTEM.

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

PLAIN, WHITE BLOCK SALT IS RECOMMENDED FOR THIS SYSTEM. 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 RAINSOFT DEALER FOR POTASSIUM CHLORIDE USE.

YOUR LOCAL DEALER IS AVAILABLE FOR SERVICE AND WARRANTY PART REPLACEMENTS.

STATE OF CALIFORNIA DEPARTMENT OF PUBLIC HEALTH CERTIFICATE NUMBER 06-1801



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.

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

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.

EC4 150 CV
DEMAND INITIATED TREATMENT SYSTEM

State of California
Department of Public Health
Water Treatment Device
Certificate Number

06- 1801

Date Issued: July 28, 2011

Trademark/Model Designation

RainSoft EC4 150 CV

Replacement Elements

N/A

Manufacturer: RainSoft, A Division of Aquion, Inc.

The water treatment device(s) listed on this certificate have met the testing requirements pursuant to Section 116830 of the Health and Safety Code for the following health related contaminants:

Microbiological Contaminants and Turbidity

None

Inorganic/Radiological Contaminants

Barium

Radium 226/228

Organic Contaminants

None

Rated Service Capacity: N/A

Rated Service Flow: 10.4 gpm

Conditions of Certification:

Do not use with water that is microbiologically unsafe or of unknown quality, without adequate disinfection before or after the system.