



**Jim Doyle, Governor**  
**Mary P. Burke, Secretary**

May 25, 2006

RAINSOFT  
AQUION WATER TREATMENT PRODUCTS  
KATHLEEN FRITSCH  
2080 E. LUNT  
ELK GROVE VILLAGE IL 60007

Re: Description: WATER TREATMENT DEVICE-ACTIVATED CARBON  
Manufacturer: RAINSOFT  
Product Name: APOLLO GOLD AND APOLLO SILVER SERIES (USING "D" RESIN)  
Model Number(s): AMC 50 D, AMC 50 CD, AQC 50 D, AQC 50CD, AMC 60SS D, AMC 60SS CD,  
AQC 60SS D, AQC 60SS CD, LMC 60 D, LMC 60 CD, LQC 60 D, LQC 60 CD,  
AMC 60S D, AMC 60S CD, AQC 60S D, AQC 60S D, AQC 60S CD, AMC 75 D,  
AMC 75 CD, AQC 75 D, AQC 75 CD, AMC 100 D, AMC 100 CD, AQC 100 D,  
AQC 100 CD, LMC 100 D, LMC 100 CD, LQC 100 D, LQC 100 CD,  
AMC 100S D, AMC 100S CD, AQC 100S D, AQC 100S CD, AMC 150 D,  
AMC 150 CD, AQC 150 D, AQC 150 CD, AMC 250 D, AMC 250 CD,  
AQC 250 D, AQC 250 CD, AMC 400 D, AMC 400 CD, AQC 400 D AND  
AQC 400 CD  
Product File No: 20060044

The specifications and/or plans for this plumbing product have been reviewed and determined to be in compliance with chapters Comm 82 through 84, Wisconsin Administrative Code, and Chapters 145 and 160, Wisconsin Statutes.

The Department hereby issues an approval based on the Wisconsin Statutes and the Wisconsin Administrative Code. This approval is valid until the end of September 2009.

This approval supersedes the approval issued on September 20, 2004 under product file number 20030152.

This approval is contingent upon compliance with the following stipulation(s):

- This product has undergone sufficient testing to document the product's ability to reduce only those contaminants and/or substances as specified in this approval letter when the product is installed and maintained in strict accordance with the manufacturers published instructions.
- Where the Department of Natural Resources (DNR) has jurisdiction, a written approval may be required prior to installation of this product in a water supply system to reduce the concentration of a contaminant that exceeds the primary drinking water standards contained in ch. NR 809, Wis. Admin. Code, the enforcement standards contained in ch. NR 140, Wis. Admin. Code, or for a water supply system that is subject to a written advisory opinion by the DNR. For more information contact the DNR Section of Private Water Systems, P.O. Box 7921, Madison, WI 53707, telephone (608) 266-3415.
- If these approved devices are modified or additional assertions of function or performance are made, then this approval shall be considered null and void, unless the change is submitted to the department for review and the approval is reaffirmed.
- These cation exchange water softeners shall be sized, installed, programmed and maintained such that wastewater volumes, total dissolved solids and chloride discharges are minimized.

- At the time of installation, these devices shall be provided with an effective means to warn the users when they are not performing their function. This shall be accomplished by one of the following:
1. sounding and alarm or flashing a light, each connected to an acceptable power source;
  2. providing a sampling kit for analysis of hardness or other appropriate contaminants; or
  3. providing a hardness monitor.

Based on testing data submitted to and reviewed by the department, this approval recognizes that these plumbing products will reduce the concentration of contaminants as specified on pages 1 through 3 of this letter.

**WATER SOFTENING CAPABILITIES  
 PRODUCT FILE NUMBER 20060044  
 TABLE 1 OF 1**

Model Numbers	Capacity*						
	Rating 1		Rating 2		Rating 3		Flow Rate
Apollo Series	Grains	Pounds	Grains	Pounds	Grains	Pounds	gpm @ psig
Metered							
AQC 50 D	7,300	2.0	14,400	5.0	18,900	7.5	10.0 @ 7.8
AQC 50 CD	7,300	2.0	14,400	5.0	18,900	7.5	10.0 @ 7.8
AQC 60SS D	6,300	2.0	11,500	6.0	13,200	9.0	11.6 @ 10.5
AQC 60SS CD	6,300	2.0	11,500	6.0	13,200	9.0	11.6 @ 10.5
LQC 60 D	7,100	2.4	14,100	6.0	18,500	9.0	10.0 @ 10.0
LQC 60 CD	7,100	2.4	14,100	6.0	18,500	9.0	10.0 @ 10.0
AQC 60S D	7,600	2.4	15,000	6.0	19,700	9.0	10.0 @ 9.4
AQC 60S CD	7,600	2.4	15,000	6.0	19,700	9.0	10.0 @ 9.4
AQC 75 D	10,900	3.0	21,600	7.5	28,300	11.2	9.3 @ 6.8
AQC 75 CD	10,900	3.0	21,600	7.5	28,300	11.2	9.3 @ 6.8
AQC 100 D	11,700	3.0	25,700	10.0	27,300	15.0	10.0 @ 9.4
AQC 100 CD	11,700	3.0	25,700	10.0	27,300	15.0	10.0 @ 9.4
LQC 100 D	10,900	3.0	24,000	10.0	25,400	15.0	10.0 @ 10.0
LQC 100 CD	10,900	3.0	24,000	10.0	25,400	15.0	10.0 @ 10.0
AQC 100S D	10,900	3.0	24,000	10.0	25,400	15.0	10.0 @ 10.0
AQC 100S CD	10,900	3.0	24,000	10.0	25,400	15.0	10.0 @ 10.0
AQC 150 D	17,500	4.5	38,600	15.0	40,900	22.5	10.2 @ 7.8
AQC 150 CD	17,500	4.5	38,600	15.0	40,900	22.5	10.2 @ 7.8
AQC 250 D	29,200	7.5	64,300	25.0	68,200	37.5	12.0 @ 9.9
AQC 250 CD	29,200	7.5	64,300	25.0	68,200	37.5	12.0 @ 9.9
AQC 400 D	46,700	12.0	102,900	40.0	109,100	60.0	11.8 @ 9.5
AQC 400 CD	46,700	12.0	102,900	40.0	109,100	60.0	11.8 @ 9.5

\* The softener capacity rating is based on grains of hardness, due to calcium and magnesium cations, removed (as calcium carbonate) while producing soft water between successive regenerations and is related to the pounds of salt required for each regeneration. The tests run to generate the data for table 1 were conducted in accordance with NSF Standard 44 .

This device was tested under controlled laboratory, or field, conditions. The actual performance of this device for a specific end use installation will vary from the tested conditions based on local factors such as water pressure, water temperature and water chemistry.

Rainsoft – Aquion Water Treatment Products  
May 25, 2006  
Page 3 of 3  
Product File No.: 20060044

The department is in no way endorsing this product or any advertising, and is not responsible for any situation that may result from its use.

Sincerely,

Glen W. Schlueter  
Engineering Consultant-Plumbing Product Reviewer  
Bureau of Integrated Services  
Safety and Buildings Division  
Department of Commerce  
(608) 267-1401 **Phone**  
(608) 267-9566 **Fax**  
gschlueter@commerce.state.wi.us **Email**  
8:00A – 4:30P CDT **Work Hours**  
GWS:gws