



June 12, 2014

WATER RIGHT INCORPORATED – CUSTOM CARE
CUSTOM CARE
KURTT GRUETT
1900 PROSPECT COURT
APPLETON WI 54914-9000

Re: Description: WATER TREATMENT DEVICE - SOFTENER/CATION EXCHANGE
Manufacturer: WATER RIGHT INCORPORATED
Product Name: CUSTOM SOFT 1100 SERIES
Model Number(s): 1111, 1112, 1114, 1116, 1117, 1118, 1119, 1121, 1122, 1124, 1126, 1127, 1128, 1129,
1131, 1132, 1134, 1136, 1137, 1138, 1139, 1151, 1152, 1154, 1156, 1157, 1158, 1159,
1161, 1162, 1164, 1166, 1167, 1168 AND 1169
Product File No: 20140129

The specifications and/or plans for this plumbing product have been reviewed and determined to be in compliance with chapters SPS 382 through 384, 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 June 2019.

This approval supersedes the approval issued on December 6, 2011 under product file number 20110360.

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

- Cation exchange water softeners, when used primarily for water hardness reduction, that during regeneration discharge a brine solution, shall be of a demand initiated regeneration type equipped with a water meter or a sensor unless a wastewater treatment system downstream of the water softener specifically documents the reduction of chlorides.
- 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 manufacturer's 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) 267-9787.
- 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.
- Operation of these devices at flow rates above the rated service flow rates specified within this approval letter are not supported or acknowledged by this approval. The rated service flow rates are the flow rates at which these devices were tested.

Because the level of treatment obtained is, in part, a function of how long the water is in contact with the treatment media within these devices, arbitrary increases in the flow rates above the rated service flow rates may compromise the quality of the treated water.

- These cation exchange water softeners shall be sized, installed, programmed and maintained such that wastewater volumes, total dissolved solids and chloride discharges are minimized.

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 2 of this letter.

**WATER SOFTENING CAPABILITIES
 PRODUCT FILE NUMBER 20140129
 TABLE 1 OF 1**

Model Numbers		Capacities*						Flow Rate vs. Pressure Loss
CustomSoft Series 1100		Rating 1		Rating 2		Rating 3		
Metered	Time Clock	Grains	Pounds	Grains	Pounds	Grains	Pounds	gpm @ psig
1112	1111	9,600	2.5	13,500	5.0	15,300	7.0	8.6 @ 15.0
1122	1121	15,500	3.8	21,700	7.5	24,600	10.5	9.1 @ 15.0
1132	1131	20,700	5.0	29,000	10.0	32,800	14.0	11.1 @ 15.0
1152	1151	31,000	7.5	43,500	15.0	49,100	21.0	9.6 @ 15.0
1162	1161	41,400	10.0	58,000	20.0	65,500	28.0	11.2 @ 15.0
1114 ¹	1118	9,600	2.5	13,500	5.0	15,300	7.0	8.6 @ 15.0
1124 ¹	1128	15,500	3.8	21,700	7.5	24,600	10.5	9.1 @ 15.0
1134 ¹	1138	20,700	5.0	29,000	10.0	32,800	14.0	11.1 @ 15.0
1154 ¹	1158	31,000	7.5	43,500	15.0	49,100	21.0	9.6 @ 15.0
1164 ¹	1168	41,400	10.0	58,000	20.0	65,500	28.0	11.2 @ 15.0
1116	1119	9,600	2.5	13,500	5.0	15,300	7.0	8.6 @ 15.0
1126	1129	15,500	3.8	21,700	7.5	24,600	10.5	9.1 @ 15.0
1136	1139	20,700	5.0	29,000	10.0	32,800	14.0	11.1 @ 15.0
1156	1159	31,000	7.5	43,500	15.0	49,100	21.0	9.6 @ 15.0
1166	1169	41,400	10.0	58,000	20.0	65,500	28.0	11.2 @ 15.0
1117	-	9,600	2.5	13,500	5.0	15,300	7.0	8.6 @ 15.0
1127	-	15,500	3.8	21,700	7.5	24,600	10.5	9.1 @ 15.0
1137	-	20,700	5.0	29,000	10.0	32,800	14.0	11.1 @ 15.0
1157	-	31,000	7.5	43,500	15.0	49,100	21.0	9.6 @ 15.0
1167	-	41,400	10.0	58,000	20.0	65,500	28.0	11.2 @ 15.0

* 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.

¹ = alternating twin tank, data displayed is per individual tank

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.

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

Sincerely,

Glen W. Schlueter
 Environmental Engineer - Plumbing Product Reviewer
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 Division of Industry Services
 Bureau of Technical Services
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