DIVISION OF INDUSTRY SERVICES
Plumbing Product Review
P.O. Box 2658
Madison, Wisconsin 53701-2658
TTY: Contact Through Relay

Scott Walker, Governor
Dave Ross, Secretary

February 18, 2014

DIAMOND WATER CONDITIONING
JOHN GRIESBACH / DAN SCHLENZ
N1022 QUALITY DRIVE
PO BOX 170
GREENVILLE WI 54942

Re: Description: WATER TREATMENT DEVICE – Ph NEUTRALIZATION (LOW)
Manufacturer: DIAMOND WATER CONDITIONING
Product Name: REFINER (AN) SERIES
Model Number(s): DCF6-100-100-AN, DCF6-150-100-AN, DCF6-200-100-AN AND DCF6-250-100-AN
Product File No: 20130412

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 February 2019.

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 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.

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.

AESTHETIC CONTAMINANT REDUCTION CAPABILITIES
PRODUCT FILE NUMBER 20130412
TABLE 1 OF 1

Flow Rates: DCF6-100-100-AN = [3.0 gallons per minute (gpm) @ X 1.2 pounds per square inch – gauge (psig)]
DCF6-150-100-AN = 5.0 gpm @ 3.5 psig
DCF6-200-100-AN = 8.0 gpm @ 4.4 psig
DCF6-250-100-AN = 10.0 gpm @ 5.5 psig

Capacity: DCF6-100-100-AN = 500 gallons (gals.)
DCF6-150-100-AN = 750 gals.
DCF6-200-100-AN = 1,000 gals.
DCF6-250-100-AN = 1,250 gals.

Tested Contaminant	Average Influent Challenge (pH Units)	Average Effluent (pH Units)
pH (low)	4.0	6.5

Other Conditions: the contaminant reduction performance capabilities displayed for Table 1 of 1 were verified by testing conducted by TG Analytical Laboratory in general accordance with NSF Standard 42. The pH was artificially depressed using hydrochloric acid. To pass, the device must increase the influent challenge pH such that the effluent pH falls in a range of ≥ 6.5 to ≤ 8.5.

These devices perform their pH function by slowly dissolving the sacrificial media they contain. This means the media component of these systems will have to be replaced on a regular basis. The frequency of media replenishment for a given device is a function of onsite water quality and water use patterns.

These devices are also approved for the reduction of up to 2.0 mg/l of particulate iron. These devices are not approved for the reduction of dissolved, bacterial or organically bound forms of iron.

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
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